

● EPODOC / EPO

PN - JP56113760 A 19810907
PD - 1981-09-07
PR - JP19800015338 19800208
OPD - 1980-02-08
TI - STABILIZATION OF RETINOL FATTY ACID ESTER
IN - OONISHI SHIGEKI; NISHIJIMA YASUSHI
PA - KANEBO LTD
IC - C07C175/00

● WPI / DERWENT

TI - Stabilising retinol fatty acid ester - by addn. of 2-(2-aminovinyl)-
-3,4-dimethyl-oxazolinium iodide
PR - JP19800015338 19800208
PN - JP56113760 A 19810907 DW198149 005pp
- JP59024973B B 19840613 DW198427 000pp
PA - (KANE) KANEBO LTD
IC - C07C175/00
AB - J56113760 Process comprises adding 2-(2-aminovinyl)-
3,4-dimethyloxazolinium iodide (II) to the retinol fatty acid ester (I).
(I) is stabilised against decompsn. by heat, light, oxygen, etc. (I)
include acetic acid ester, lauric acid ester, myristic acid ester,
palmitic acid ester, stearic acid ester, oleic acid ester, etc.
- Amt. of (II) incorporated into the ester is 4-200wt.%, pref.
15-150wt.% relative to the ester. (I) may be any form such as
emulsion, solid, soln., ointment, etc.
- In an example, 40 g of 95% ethyl alcohol was mixed with 0.5 g of
polyoxyethylene hydrogenated castor oil, and to the soln. was
further added 0.2 g soybean oil contg. 6.8% retinol fatty acid ester,
0.00055 g stabiliser and 59 g distilled water, followed by agitation.
The stabilised retinol can be used e.g. for the treatment of
nyctalopia.

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AN - 1981-89769D [49]

● PAJ / JPO

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IN - ONISHI SHIGEKI; others 01

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- PA - KANEBO LTD
- TI - STABILIZATION OF RETINOL FATTY ACID ESTER
- AB - PURPOSE: To stabilize retinol fatty acid ester effective to maintain the normal functions of visual sense and the epithelial tissue and to enable the long-term storage thereof, by compounding the ester with a specific oxazolinium iodide.
- CONSTITUTION: Retinol fatty acid ester is stabilized with 2-(2-aminovinyl)-3,4- dimethyl-oxazolinium iodide. The amount of the stabilizer is 4-200wt%, pref. 15-150wt%, based on the ester. The ester is very unstable and difficult to be stored for a long time in a base such as water-alcohol mixture, emulsion, etc. The addition of the above stabilizer enables the stable storage. The stabilizing agent has cell activating activity, dermal function promoting activity, and metabolism promoting activity, and is nonirritant to the skin.
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